

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

### **LISTING OF CLAIMS**

1-34. (Cancelled)

35. (Currently Amended) A piano hinge defining a hinge line, the piano hinge comprising a two-way shape memory alloy (SMA) positioned along the hinge line to form a pin that at least partially twists when the two-way SMA pin changes between an austenite temperature and a martensite temperature, hinge leafs defining a passage into which the two-way SMA pin fits, and a key-spline arrangement rigidly securing the two-way SMA pin to the hinge leafs for transfer of torque from the two-way SMA pin to one of the hinge leafs relative to the other of said hinge leafs.

36. (Currently Amended) The piano hinge of claim 35, wherein the ~~further comprising hinge leafs~~ include ~~having alignable knuckles that [[to]]] define the passage into which the two-way SMA pin fits, and a key-spline arrangement for transfer of torque from the two-way SMA to the appropriate leaf.~~

37. (Previously Presented) The piano hinge of claim 35, wherein the two-way SMA is configured to apply torque within a range of about 27 inch pounds and about 1740 inch pounds.

38. (Previously Presented) The piano hinge of claim 35, wherein the two-way SMA is configured to apply torque within a range of about 27 inch pounds and about 1010 inch pounds.

39. (Previously Presented) The piano hinge of claim 35, wherein the two-way SMA is configured to apply torque within a range of about 1010 inch pounds and 1740 inch pounds.

40. (Previously Presented) The piano hinge of claim 35, wherein the two-way SMA is configured to apply torque at about 1740 inch pounds.